

Refine Search

Search Results -

Terms	Documents
L22 and (translat\$ or map\$ or transfer\$ or transform\$ or convert\$) near5 address\$	25

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L23		Refine Search
-----	--	----------------------

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, October 26, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u>
side by side		result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L23</u> L22 and (translat\$ or map\$ or transfer\$ or transform\$ or convert\$) near5 address\$	25	<u>L23</u>
<u>L22</u> L21 and (chang\$ or modif\$ or alter)near5 (content or operating sytsem or data structure) near5 (active\$ or real or machine)	25	<u>L22</u>
<u>L21</u> (translat\$ or map\$) near5 (processor\$ or cpu\$) near5 (cache\$ or tlb or buffer\$)	1241	<u>L21</u>
<u>L20</u> l6 and (translat\$ or map\$) near5 (processor\$ or cpu\$) near5 (cache\$ or tlb or buffer\$)	0	<u>L20</u>
<u>L19</u> L18 and operating system and (address\$ near4 (translat\$ or transform\$ or map\$))	1	<u>L19</u>
<u>L18</u> (modif\$ or chang\$ or alter) near5 content near5 (active or real\$ Or machine\$) and guest\$	9	<u>L18</u>
<u>L17</u> L16 and (chang\$ Or modif\$ Or alter)	1	<u>L17</u>
<u>L16</u> 4456954.pn.	1	<u>L16</u>

<u>L15</u>	(modif\$ or chang\$ Or alter) near5 (data structure\$ or operating system) and virtual machine and guest and (real or active)	22	<u>L15</u>
<u>L14</u>	(modif\$ Or chang\$ or alter) near5 content\$ near5 guest\$ near4 (active\$ or real\$) and cache and (tlb or buffer)	0	<u>L14</u>
<u>L13</u>	l6 and (modif\$ Or chang\$ or alter) near5 content\$	1	<u>L13</u>
<u>L12</u>	L11 and (creat\$ or generat\$ or develop\$ Or mak\$)	1	<u>L12</u>
<u>L11</u>	l6 and data near4 (structure\$ or process\$)	1	<u>L11</u>
<u>L10</u>	l1 and (modif\$ or chang\$ Or alter) near5 data structure\$	1	<u>L10</u>
<u>L9</u>	6075938.pn.	1	<u>L9</u>
<u>L8</u>	l6 and (modif\$ Or chang\$ or alter)	1	<u>L8</u>
<u>L7</u>	L6 and (guest operating) and (address near4 translat\$)	1	<u>L7</u>
<u>L6</u>	5381535.pn.	1	<u>L6</u>
<u>L5</u>	L4 and (host\$ near4 operating)	2	<u>L5</u>
<u>L4</u>	L1 and (active\$ near4 translat\$) and (operating system) and (guest near4 operating)	2	<u>L4</u>
<u>L3</u>	L1 and (active\$ near4 translat\$) and (operating system)	3	<u>L3</u>
<u>L2</u>	L1 and (active\$ near4 translat\$)	3	<u>L2</u>
<u>L1</u>	address\$ near4 (translat\$ or transform\$) and virtual machine and (guest\$ near4 translat\$)	43	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(709/1).ccls.	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L26	Refine Search
-----	---------------

 Recall Text

 Clear

 Interrupt

Search History

DATE: Tuesday, October 26, 2004 [Printable Copy](#) [Create Case](#)

Set	Name	Query	Hit Count	Set Name
side by side				result set
		DB=USPT; PLUR=YES; OP=ADJ		
L26		709/1.ccls.	0	<u>L26</u>
L25		711/202,203,205,206,207,208,209.ccls.	2249	<u>L25</u>
L24		717/134,136,138,139,140.ccls.	558	<u>L24</u>
L23		L22 and (translat\$ or map\$ or transfer\$ or transform\$ or convert\$) near5 address\$	25	<u>L23</u>
L22		L21 and (chang\$ or modif\$ or alter)near5 (content or operating sytsem or data structure) near5 (active\$ or real or machine)	25	<u>L22</u>
L21		(translat\$ or map\$) near5 (processor\$ or cpu\$) near5 (cache\$ or tlb or buffer\$)	1241	<u>L21</u>
L20		l6 and (translat\$ or map\$) near5 (processor\$ or cpu\$) near5 (cache\$ or tlb or buffer\$)	0	<u>L20</u>
L19		L18 and operating system and (address\$ near4 (translat\$ or transform\$ or map\$))	1	<u>L19</u>

<u>L18</u>	(modif\$ or chang\$ or alter) near5 content near5 (active or real\$ Or machne\$) and guest\$	9	<u>L18</u>
<u>L17</u>	L16 and (chang\$ Or modif\$ Or alter)	1	<u>L17</u>
<u>L16</u>	4456954.pn.	1	<u>L16</u>
<u>L15</u>	(modif\$ or chang\$ Or alter) near5 (data structure\$ or operating system) and virtual machine and guest and (real or active)	22	<u>L15</u>
<u>L14</u>	(modif\$ Or chang\$ or alter) near5 content\$ near5 guest\$ near4 (active\$ or real\$) and cache and (tlb or buffer)	0	<u>L14</u>
<u>L13</u>	l6 and (modif\$ Or chang\$ or alter) near5 content\$	1	<u>L13</u>
<u>L12</u>	L11 and (creat\$ or generat\$ or develop\$ Or mak\$)	1	<u>L12</u>
<u>L11</u>	l6 and data near4 (structure\$ or process\$)	1	<u>L11</u>
<u>L10</u>	l1 and (modif\$ or chang\$ Or alter) near5 data structure\$	1	<u>L10</u>
<u>L9</u>	6075938.pn.	1	<u>L9</u>
<u>L8</u>	l6 and (modif\$ Or chang\$ or alter)	1	<u>L8</u>
<u>L7</u>	L6 and (guest operating) and (address near4 translat\$)	1	<u>L7</u>
<u>L6</u>	5381535.pn.	1	<u>L6</u>
<u>L5</u>	L4 and (host\$ near4 operating)	2	<u>L5</u>
<u>L4</u>	L1 and (active\$ near4 translat\$) and (operating system) and (guest near4 operating)	2	<u>L4</u>
<u>L3</u>	L1 and (active\$ near4 translat\$) and (operating system)	3	<u>L3</u>
<u>L2</u>	L1 and (active\$ near4 translat\$)	3	<u>L2</u>
<u>L1</u>	address\$ near4 (translat\$ or transform\$) and virtual machine and (guest\$ near4 translat\$)	43	<u>L1</u>

END OF SEARCH HISTORY


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
Search: The ACM Digital Library The Guide

THE ACM DIGITAL LIBRARY
[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used

Found

75,890

[modify](#) and [content](#) and [virtual machine](#) and [operating system](#) and [address](#) and [translation](#) and [tlb](#)

of

143,484

Sort results
by

[Save results to a Binder](#)
[Try an Advanced Search](#)
Display
results

[Search Tips](#)
[Try this search in The ACM Guide](#)
 [Open results in a new window](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale

1 [Disco: running commodity operating systems on scalable multiprocessors](#)

Edouard Bugnion, Scott Devine, Kinshuk Govil, Mendel Rosenblum

November 1997 **ACM Transactions on Computer Systems (TOCS)**, Volume 15 Issue 4Full text available: [pdf\(400.76 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

In this article we examine the problem of extending modern operating systems to run efficiently on large-scale shared-memory multiprocessors without a large implementation effort. Our approach brings back an idea popular in the 1970s: virtual machine monitors. We use virtual machines to run multiple commodity operating systems on a scalable multiprocessor. This solution addresses many of the challenges facing the system software for these machines. We demonstrate our approach with a prototype ...

Keywords: scalable multiprocessors, virtual machines

2 [Architectural support for translation table management in large address space machines](#)

Jerry Huck, Jim Hays

May 1993 **ACM SIGARCH Computer Architecture News , Proceedings of the 20th annual international symposium on Computer architecture**, Volume 21 Issue 2Full text available: [pdf\(1.34 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Virtual memory page translation tables provide mappings from virtual to physical addresses. When the hardware controlled Translation Lookaside Buffers (TLBs) do not contain a translation, these tables provide the translation. Approaches to the structure and management of these tables vary from full hardware implementations to complete software based algorithms. The size of the virtual address space used by processes is rapidly growing beyond 32 bits of address. As the utilized ad ...

3 [Architecture of the IBM system/370](#)

Richard P. Case, Andris Padegs

January 1978 **Communications of the ACM**, Volume 21 Issue 1

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)**IEEE Xplore®**
RELEASE 1.8Welcome
United States Patent and Trademark Office

» Se

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)**Quick Links****Welcome to IEEE Xplore®**

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

[Print Format](#)[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved